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**AMENDMENT UNDER
37 C.F.R. §1.111**

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

Application Number	09/466,994
Confirmation Number	1823
Filing Date	December 10, 1999
First Named Inventor	Akeson
Examiner	M. Pham C. chin
Group Art	1641
Attorney Docket No.	06510118US1
Title	Targeted Molecular Bar Codes and Methods for Using the Same

Sir:

This amendment is responsive to the Final Office Action dated October 26, 2001, for which a three-month period for response was given making this response due on or before January 26, 2002. In view of the amendments to the claims and the remarks put forth below, reconsideration and allowance are respectfully requested.

AMENDMENTS

IN THE CLAIMS

Please amend Claims 1, 3, 8, 10, and 16 as follows.

1. (Twice Amended) A targeted molecular bar code comprising:
 - (a) a molecular bar code that is a block copolymer of a plurality of blocks selected from two or more different blocks, wherein each block comprises at least five monomeric units, and further wherein said molecular bar code is a charged polymer capable of generating a reproducible signal upon passage through a nanopore; and
 - (b) a member of a specific binding pair, wherein said specific binding pair member is joined directly or through a linking group to said molecular bar code.

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